



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION
NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599
www.miamidade.gov/economy

Buckeye Technologies, Inc.
1001 Tillman Avenue
Memphis, TN 38112

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER-Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: UltraFiber 500 Concrete Reinforcing Fiber

APPROVAL DOCUMENT: Drawing No. 1, titled "UltraFiber 500 Concrete Reinforcing Fiber", sheet 1 of 1, dated 11/24/2008, prepared by Buckeye Technologies, Inc, signed and sealed by Thomas A. Kolden, P.E., bearing the Miami-Dade County Product Control renewal stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: None

LABELING: Each unit/bag shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises NOA # 06-0501.12 and consists of this page 1 and evidence page E-1, as well as approval document mentioned above.

The submitted documentation was reviewed by Carlos M. Utrera, P.E.



Handwritten signature and date: 10/08/2014

NOA No. 14-0728.02
Expiration Date: January 28, 2019
Approval Date: October 16, 2014
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

- A. DRAWINGS “Submitted under NOA # 06-0501.12”**
1. Drawing No. 1, titled “UltraFiber 500 Concrete Reinforcing Fiber”, sheet 1 of 1, dated 11/24/2008, prepared by Buckeye Technologies, Inc, signed and sealed by Thomas A. Kolden, P.E.
- B. TESTS “Submitted under NOA # 06-0501.12”**
1. Test report on Concrete Residual Strength per ASTM C1399 of UltraFiber 500 Concrete Reinforcing Fiber, prepared by Stork Twin City Testing Corporation, Test Reports No. 308195.1 and 308195.2, both dated 10/24/2008, signed by Thomas A. Kolden, P.E.
- C. CALCULATIONS**
1. None.
- D. QUALITY ASSURANCE**
1. Miami-Dade Department of Regulatory and Economic Resources (RER)
- E. MATERIAL CERTIFICATIONS “Submitted under NOA # 06-0501.12”**
1. Engineering Evaluation Report and Addendum per ASTM C1399 of Buckeye UltraFiber 500, prepared by Ardaman & Associates, Inc., dated on 01/10/2006 and 01/04/2007 respectively signed and sealed by Joseph A. Amon, P.E.
- F. STATEMENTS**
1. Statement letter of code conformance to 2010 FBC issued by Element Materials Technology, dated 07/15/2014, signed and sealed by Thomas A. Kolden, P.E.



01/08/2014

Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 14-0728.02
Expiration Date: January 28, 2019
Approval Date: October 16, 2014

General Notes:

Buckeye UltraFiber 500®
Buckeye Technologies, Inc.
1001 Tillman
Memphis, Tennessee 38112
(901) 320-8100
www.ultrafiber500.com

1.0 Description:

Buckeye UltraFiber 500 is made from virgin cellulose fibers that have been chemically processed and then treated with a mineral-based chemical that results in an alkaline-resistant fiber. The fibers are used in normal weight and light weight concrete. The fibers are used as a concrete admixture to assist in controlling plastic shrinkage of reinforced concrete and structural plain concrete. The fibers are also used to reduce shrinkage and temperature cracking in structural plain concrete slabs on grade. Structural plain concrete provisions are found in Chapter 22 of ACI 318 and section 1910 of the FBC.

2.0 Installation:

Buckeye UltraFiber 500 virgin cellulose fibers must be dispersed uniformly through the concrete mixture in accordance with ASTM C1116.

The fibers must be blended into the concrete mix at a minimum rate of 1.0 pounds per cubic yard (0.59 kg/m³) of concrete. The dosage must not exceed 1.5 pounds per cubic yard (0.89 kg/m³).

Buckeye's published installation instructions using either a dispersible bag system or a bulk time metric dispenser must be strictly adhered to.

3.0 Specifications:

Buckeye UltraFiber 500 meets or exceeds the following specifications:

- A. ASTM C1116 – Standard Specification for Fiber Reinforced Concrete.
- B. ASTM D7357 – Standard Specification for Cellulose Fibers for Fiber Reinforced Concrete.

4.0 Evidence Submitted:

- ICC Evaluation Services, Inc. Report ESR-1032.
- Data in accordance with ASTM C1399 – Average Residual Strength of Fiber Reinforced Concrete from Stork Twin Cities Testing, St. Paul, MN.
- Underwriters Laboratories, Inc. CBXQ.R25038 and BXUV.D973

PRODUCT RENEWED

in compliance with the Florida

Building Code

Acceptance No

Expiration Date

By
Witness Date Product Renewed

Approved as complying with the
Florida Building Code
Date 01/28/2009
NOA# 06-050112
Name/Design Product Renewed
By

12.16.2008

Drawing No. 1 Sheet 1 of 1

Date: 11/24/08

Buckeye Technologies, Inc.
UltraFiber 500
Concrete Reinforcing Fiber